

10/513699

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	4	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	5	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	7	AUG 27	USPATOLD now available on STN
NEWS	8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	10	SEP 13	FORIS renamed to SOFIS
NEWS	11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	12	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	13	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	15	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	16	OCT 19	BEILSTEIN updated with new compounds
NEWS	17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	18	NOV 19	WPIX enhanced with XML display format
NEWS	19	NOV 30	ICSD reloaded with enhancements
NEWS	20	DEC 04	LINPADOCDB now available on STN
NEWS	21	DEC 14	BEILSTEIN pricing structure to change
NEWS	22	DEC 17	USPATOLD added to additional database clusters
NEWS	23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	24	DEC 17	DGENE now includes more than 10 million sequences
NEWS	25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment

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10/513699

NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/CAPplus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content
 from USPATOLD
NEWS 29 JAN 02 STN pricing information for 2008 now available

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
 CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:12:09 ON 15 JAN 2008

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

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STRUCTURE FILE UPDATES: 14 JAN 2008 HIGHEST RN 960583-85-1
DICTIONARY FILE UPDATES: 14 JAN 2008 HIGHEST RN 960583-85-1

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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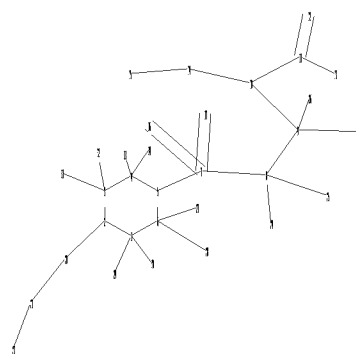
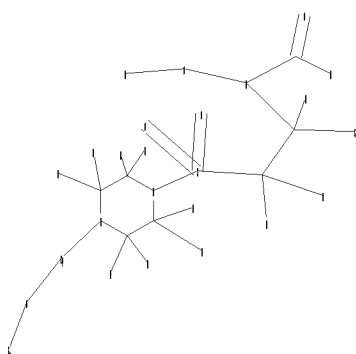
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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=>

Uploading C:\Program Files\Stnexp\Queries\10561747.str



chain nodes :
7 8 9 10 11 12 13 14 15 16 17 19 20 21 23 24 25 26 27 28 29 30
31 32 33 34

ring nodes :
1 2 3 4 5 6

chain bonds :
1-29 1-30 2-20 3-31 3-32 4-33 4-34 5-7 6-27 6-28 7-8 7-16 7-17 8-9
8-24 8-25 9-10 9-19 9-26 10-11 10-14 11-12 11-13 14-15 20-21 21-23

ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :
1-2 1-6 2-3 2-20 3-4 4-5 5-6 5-7 7-8 7-16 7-17 9-10 9-19 10-11 10-14
11-12 20-21 21-23

exact bonds :
1-29 1-30 3-31 3-32 4-33 4-34 6-27 6-28 8-9 8-24 8-25 9-26 11-13 14-15

isolated ring systems :
containing 1 :

G1: Cy, Ak

G2: Cb, Ak

Match level :

1: Atom 2: Atom 3: Atom 4: Atom 5: Atom 6: Atom 7: CLASS 8: CLASS 9: CLASS 10: CLASS
11: CLASS 12: CLASS 13: CLASS 14: CLASS 15: CLASS 16: CLASS 17: CLASS 19: CLASS
20: Atom 21: CLASS 23: CLASS 24: CLASS 25: CLASS 26: CLASS 27: CLASS 28: CLASS
29: CLASS 30: CLASS 31: CLASS 32: CLASS 33: CLASS 34: CLASS

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L1 STRUCTURE UPLOADED

=> s l1 full1

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> s l1 full

FULL SEARCH INITIATED 18:13:51 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 837 TO ITERATE

100.0% PROCESSED 837 ITERATIONS

51 ANSWERS

SEARCH TIME: 00.00.01

L2 51 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.82

179.03

FILE 'CAPLUS' ENTERED AT 18:13:55 ON 15 JAN 2008

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FILE LAST UPDATED: 14 Jan 2008 (20080114/ED)

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<http://www.cas.org/infopolicy.html>

=> s l2 full

L3 3 L2

=> d ibib abs hitstr tot

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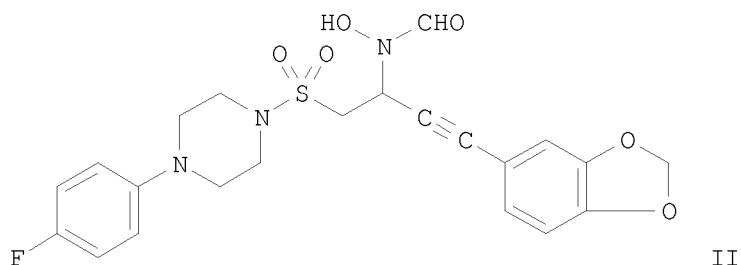
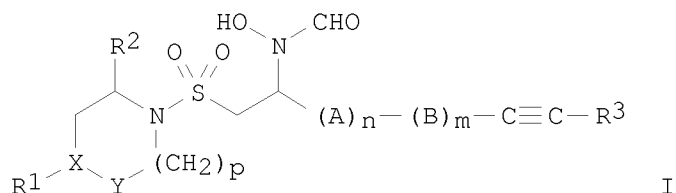
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10/513699

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:630134 CAPLUS
DOCUMENT NUMBER: 145:103718
TITLE: Preparation of (piperazinylsulfonylmethyl)alkynyl
hydroxamates and analogs as matrix metalloprotease
inhibitors and medical uses thereof
INVENTOR(S): Swinnen, Dominique; Bombrun, Agnes; Gerber, Patrick;
Jorand-Lebrun, Catherine
PATENT ASSIGNEE(S): Applied Research Systems Ars Holding N.V., Neth.
Antilles
SOURCE: PCT Int. Appl., 151 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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WO 2006067114	A1	20060629	WO 2005-EP56910	20051219
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005318163	A1	20060629	AU 2005-318163	20051219
CA 2589367	A1	20060629	CA 2005-2589367	20051219
EP 1828160	A1	20070905	EP 2005-826371	20051219
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
KR 2007095950	A	20071001	KR 2007-716256	20070716
PRIORITY APPLN. INFO.:			EP 2004-106814	A 20041221
			US 2004-638257P	P 20041222
			WO 2005-EP56910	W 20051219
OTHER SOURCE(S):	MARPAT 145:103718			
GI				



AB Title compds. I [wherein A, B = (un)substituted CH₂; R₁ = (hetero)aryl or (hetero)cycloalkyl; R₂ = H, alkyl, alkenyl or alkynyl; R₃ = H, alkyl, (hetero)aryl, etc.; X = C, CH or N; Y = CH, CH₂, -C=CH-, etc.; m = 0-2, n = 0-1; p = 1-2] and stereoisomers or pharmaceutically acceptable salts thereof were prepared as matrix metalloprotease (MMP) inhibitors. Some related intermediates were claimed. For instance, successive lithiation of 1-(4-fluorophenyl)-4-(methylsulfonyl)piperazine with lithium bis(trimethylsilyl)amide, reaction with di-Et chlorophosphate, olefination with 3-(1,3-Benzodioxol-5-yl)-2-propynal (69% yield for three steps), nucleophilic addition of the resultant α,β -unsatd. sulfone with hydroxylamine (81% yield), and N-formylation with formic anhydride generated in situ from acetic anhydride and formic acid (50% yield) gave hydroxamate II. This product showed inhibition against MMP-1 and MMP-12 with IC₅₀ values of > 5000 nM and 46 nM, resp. Other biol. activities were also disclosed. Therefore, I and their pharmaceutical compns. are useful for the treatment and/or prophylaxis of autoimmune disorders, inflammatory diseases, cardiovascular diseases, neurodegenerative diseases, cancer, respiratory diseases and fibrosis.

IT 895573-30-5P 895573-54-3P 895573-58-7P
895573-63-4P 895573-92-9P 895573-94-1P
895574-00-2P 895574-01-3P 895574-08-0P
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895574-30-8P 895574-31-9P

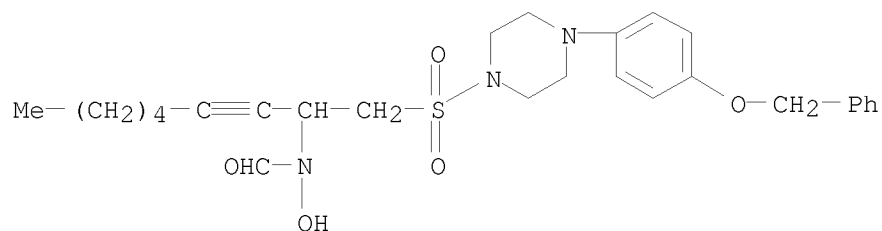
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of (piperazinylsulfonylmethyl)alkynyl hydroxamates and analogs as matrix metalloprotease inhibitors and medical uses thereof)

RN 895573-30-5 CAPLUS

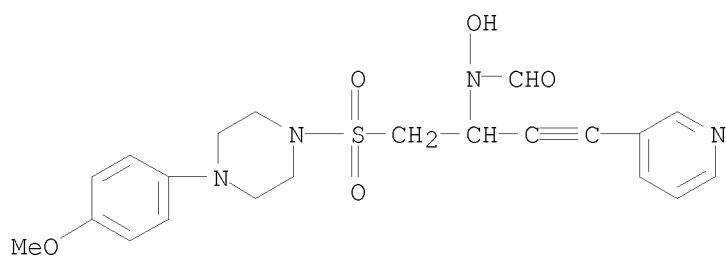
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10/513699



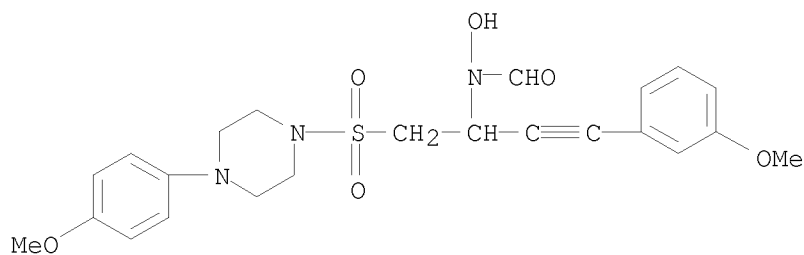
RN 895573-54-3 CAPLUS

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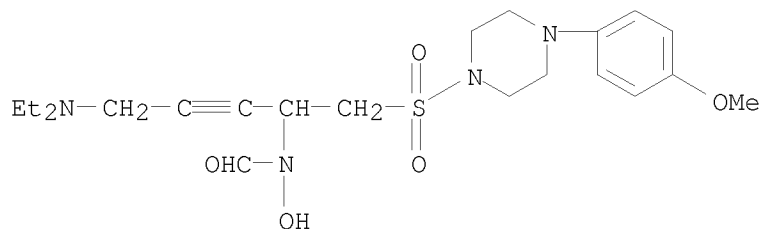
RN 895573-58-7 CAPLUS

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RN 895573-63-4 CAPLUS

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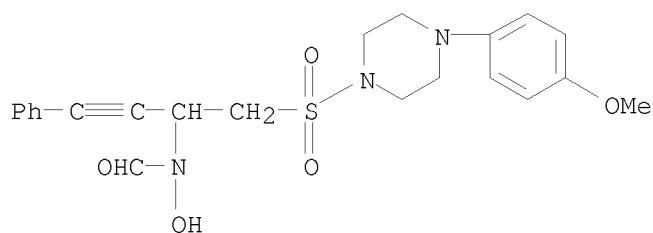
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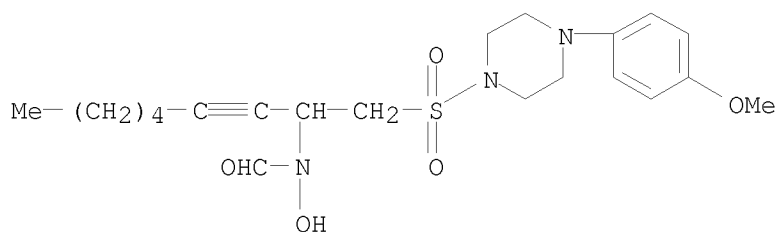
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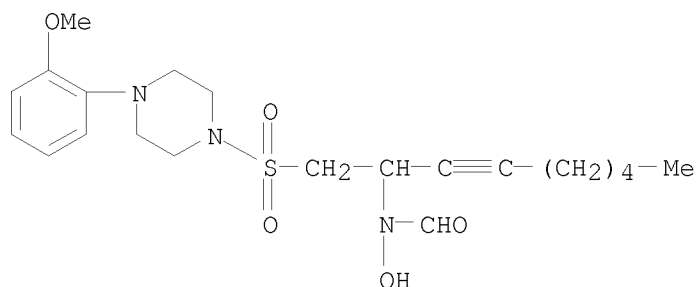
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RN 895574-00-2 CAPLUS

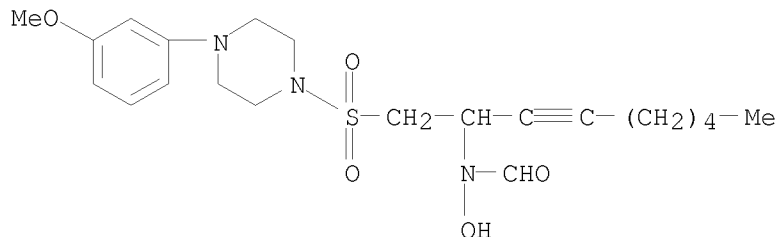
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RN 895574-01-3 CAPLUS

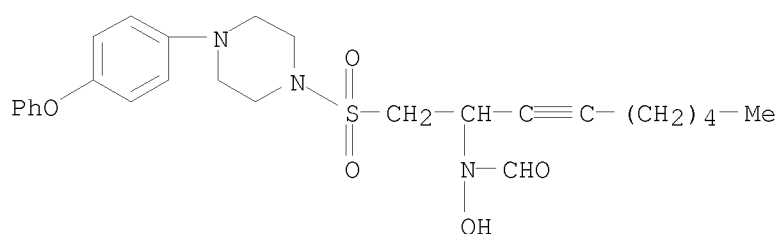
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10/513699



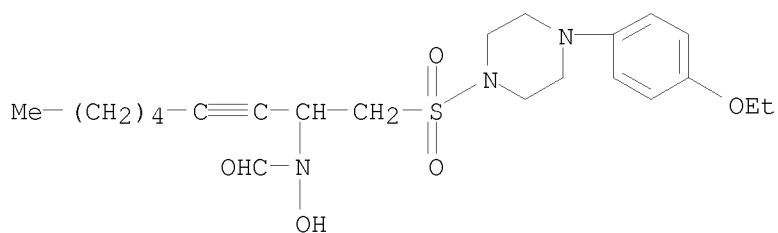
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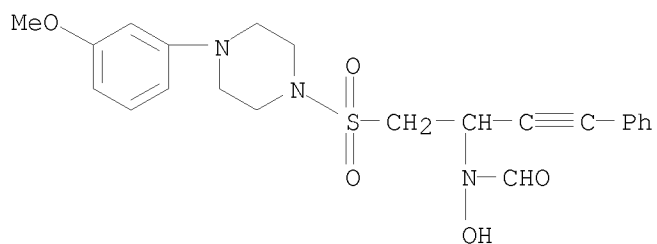
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RN 895574-21-7 CAPLUS

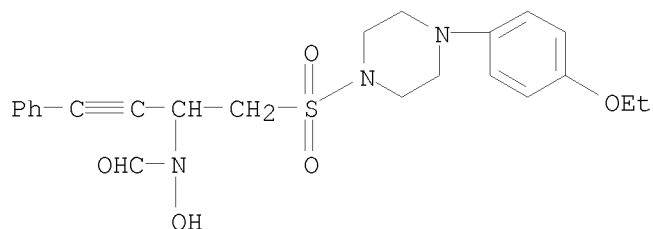
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RN 895574-24-0 CAPLUS

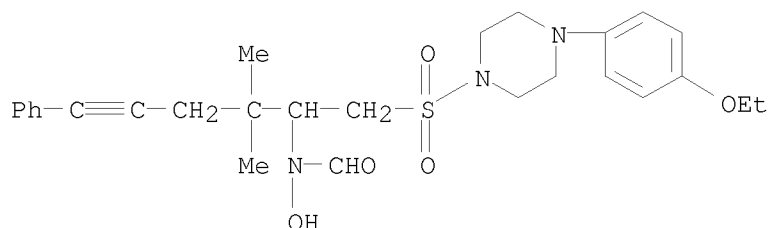
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CN Piperazine, 1-(4-ethoxyphenyl)-4-[[2-(formylhydroxyamino)-4-phenyl-3-butynyl]sulfonyl]- (9CI) (CA INDEX NAME)



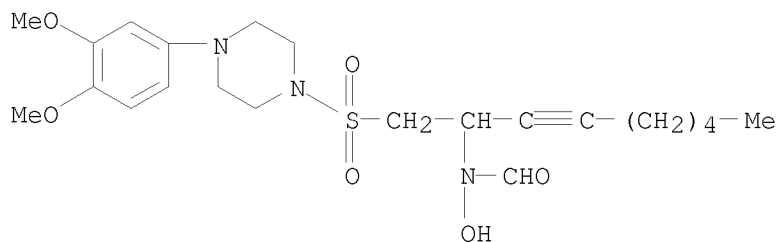
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RN 895574-31-9 CAPLUS

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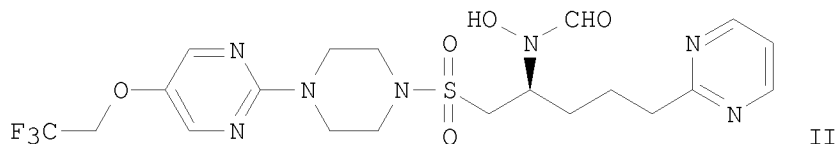
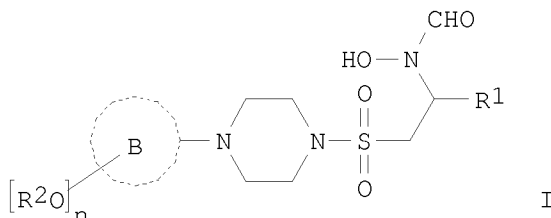
2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/513699

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:14380 CAPLUS
DOCUMENT NUMBER: 142:114099
TITLE: Preparation of N-[(4-substituted piperazine-1-sulfonylmethyl)alkyl]-N-hydroxyformamides as metalloproteinase inhibitors
INVENTOR(S): Finlay, Maurice Raymond Verschoyle; Waterson, David
PATENT ASSIGNEE(S): AstraZeneca AB, Swed.; AstraZeneca UK Limited
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CA 2529468	A1	20050106	CA 2004-2529468	20040623
EP 1644340	A1	20060412	EP 2004-743053	20040623
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BR 2004011929	A	20060815	BR 2004-11929	20040623
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MX 2005PA13460	A	20060309	MX 2005-PA13460	20051209
US 2007197542	A1	20070823	US 2005-561747	20051221
NO 2006000444	A	20060322	NO 2006-444	20060127
PRIORITY APPLN. INFO.:			SE 2003-1922	A 20030627
			WO 2004-GB2702	W 20040623
OTHER SOURCE(S):	MARPAT 142:114099			
GI				



AB The title compds. I [ring B = monocyclic aryl ring having six ring atoms or a monocyclic heteroaryl ring having up to six ring atoms and containing one or more ring heteroatoms wherein each said heteroatom is nitrogen; R2 = alkyl or aryl, which said group is substituted by one or more fluorine groups; n = 1-3; R1 = (un)substituted alkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, alkyl-aryl, alkyl-heteroaryl, alkyl-cycloalkyl or alkyl-heterocycloalkyl], useful in the treatment of a disease condition mediated by one or more metalloproteinase enzymes, were prepared E.g., a multi-step synthesis of (S)-II, starting from 5-iodo-2-[4-(methylsulfonyl)piperazin-1-yl]pyrimidine, was given. In general, the compds. I demonstrate IC50 values in the range of 0.01 to 1000 nM against collagenase 3. The pharmaceutical composition comprising the compound I is disclosed.

IT 823197-00-8P 823197-01-9P 823197-02-0P
 823197-03-1P 823197-04-2P 823197-05-3P
 823197-06-4P 823197-07-5P 823197-08-6P
 823197-09-7P 823197-10-0P 823197-11-1P
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

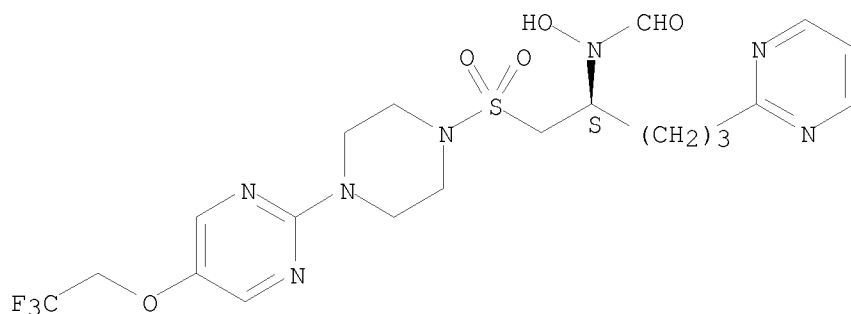
(preparation of N-[(4-substituted piperazine-1-sulfonylmethyl)alkyl]-N-hydroxyformamides as metalloproteinase inhibitors)

RN 823197-00-8 CAPLUS

CN Piperazine, 1-[[[(2S)-2-(formylhydroxyamino)-5-(2-pyrimidinyl)pentyl]sulfonyl]-4-[5-(2,2,2-trifluoroethoxy)-2-pyrimidinyl]]-(9CI) (CA INDEX NAME)

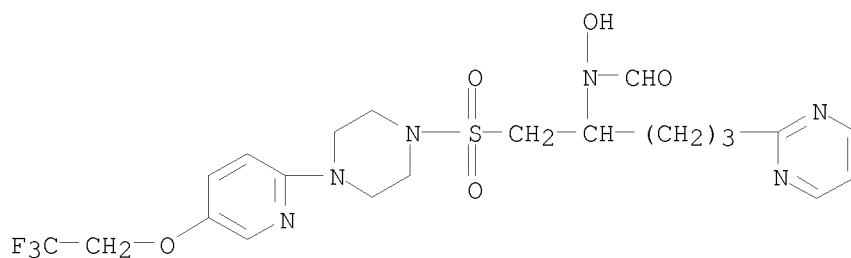
Absolute stereochemistry.

10/513699



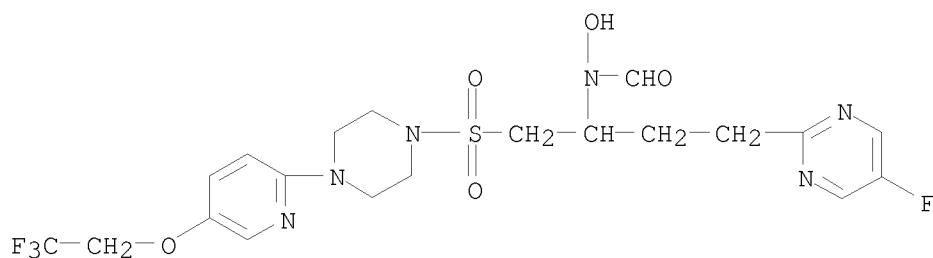
RN 823197-01-9 CAPLUS

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RN 823197-02-0 CAPLUS

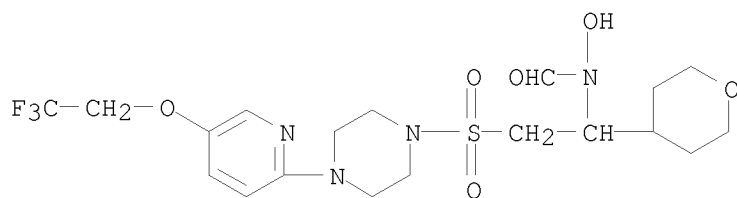
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RN 823197-03-1 CAPLUS

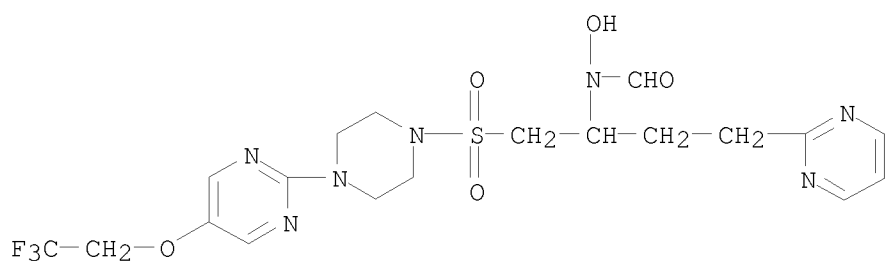
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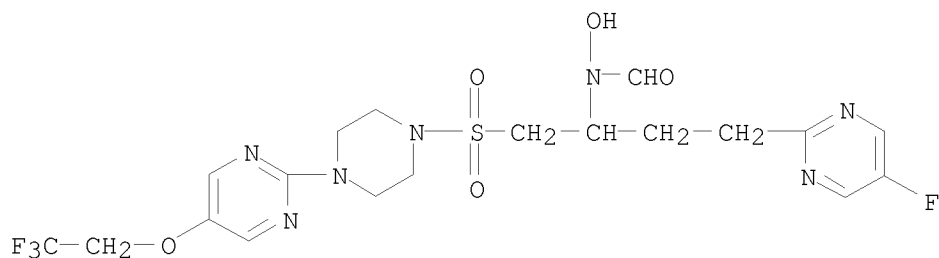
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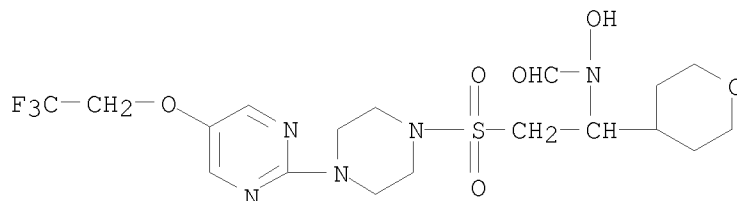
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RN 823197-06-4 CAPLUS

CN Piperazine, 1-[[2-(formylhydroxyamino)-2-(tetrahydro-2H-pyran-4-yl)ethyl]sulfonyl]-4-[5-(2,2,2-trifluoroethoxy)-2-pyrimidinyl]- (9CI) (CA INDEX NAME)

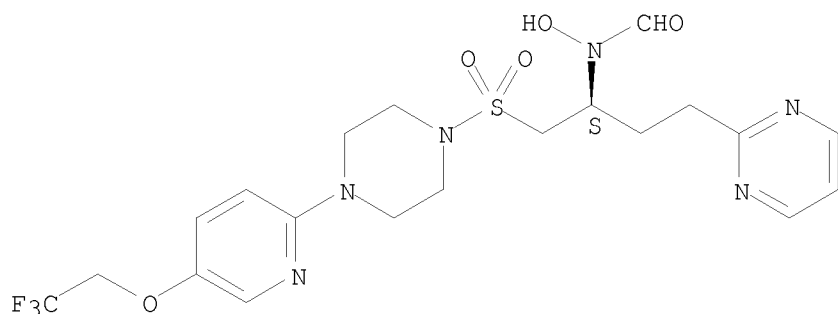


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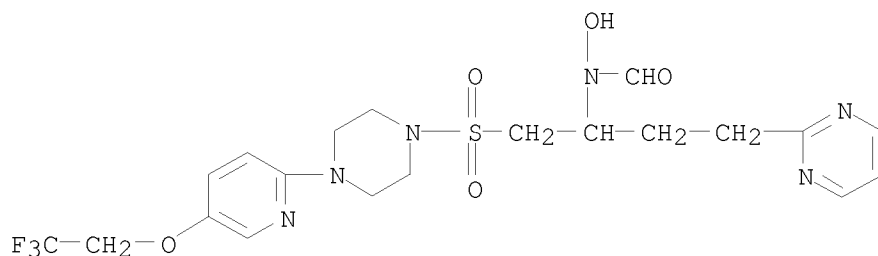
CN Piperazine, 1-[[(2S)-2-(formylhydroxyamino)-4-(2-pyrimidinyl)butyl]sulfonyl]-4-[5-(2,2,2-trifluoroethoxy)-2-pyridinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 823197-08-6 CAPLUS

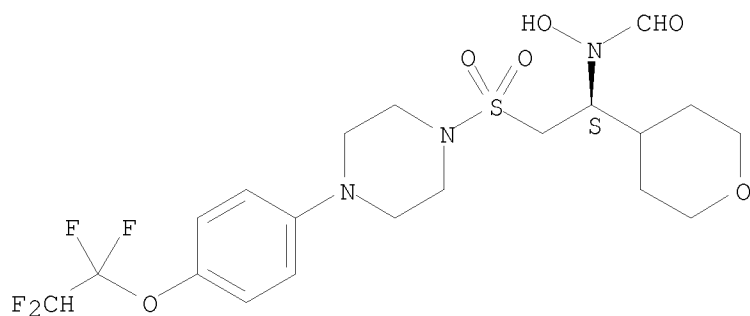
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CN Piperazine, 1-[[(2S)-2-(formylhydroxyamino)-2-(tetrahydro-2H-pyran-4-yl)ethyl]sulfonyl]-4-[4-(1,1,2,2-tetrafluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



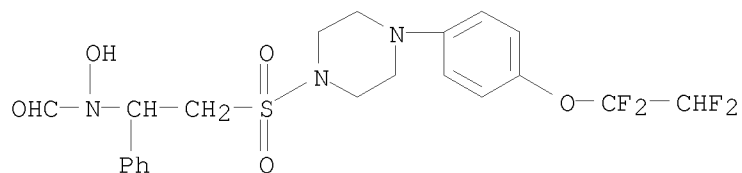
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<12/04/2007>

Erich Leese

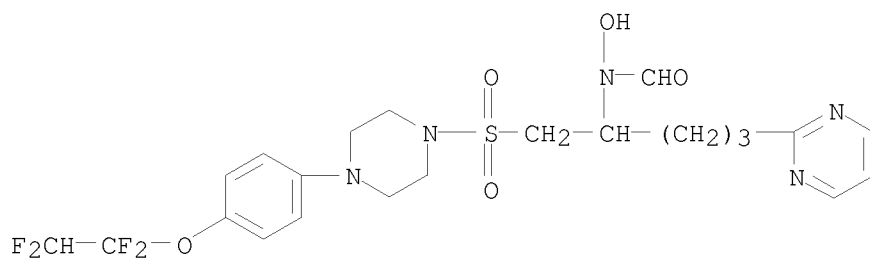
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RN 823197-11-1 CAPLUS

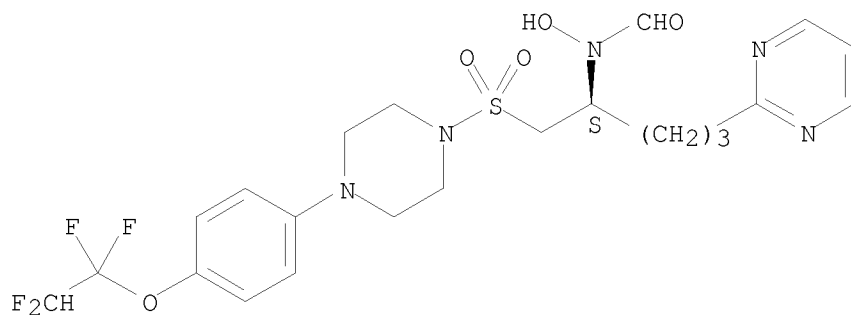
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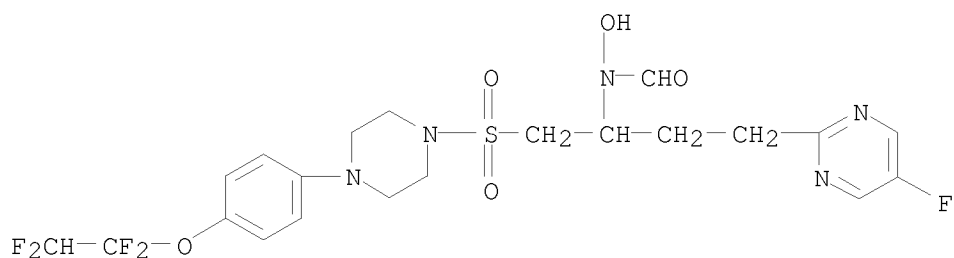
Absolute stereochemistry.



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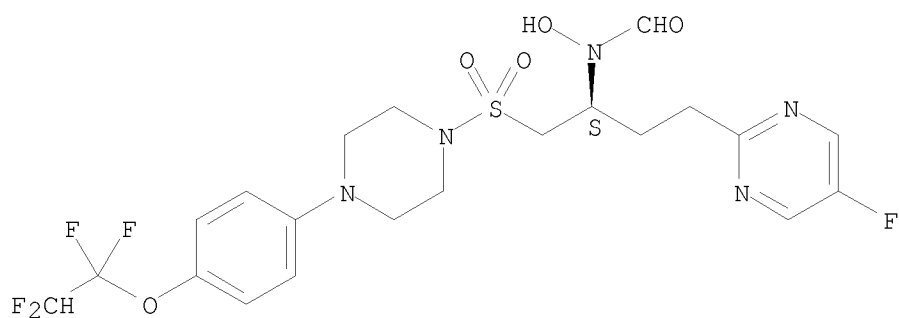
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RN 823197-14-4 CAPLUS

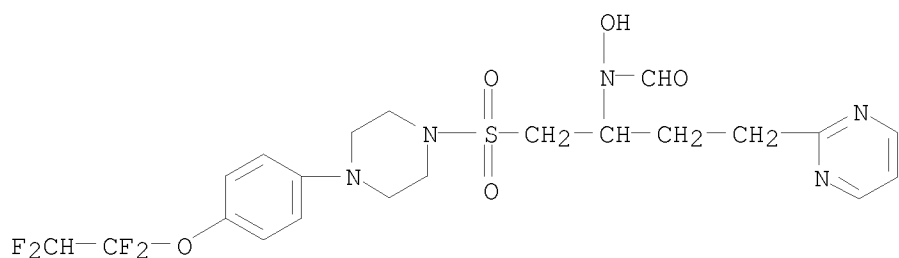
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Absolute stereochemistry.



RN 823197-15-5 CAPLUS

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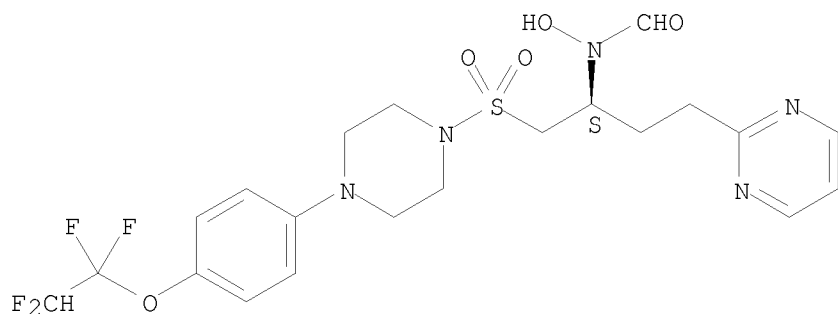


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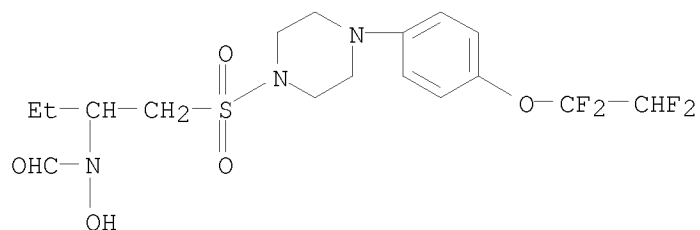
Absolute stereochemistry.

10/513699



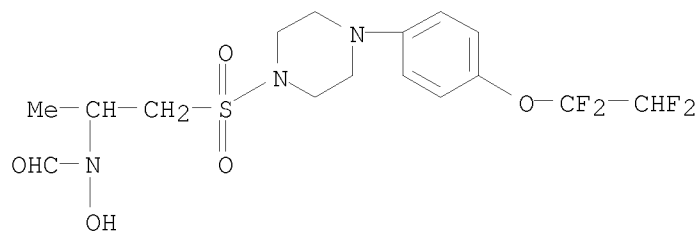
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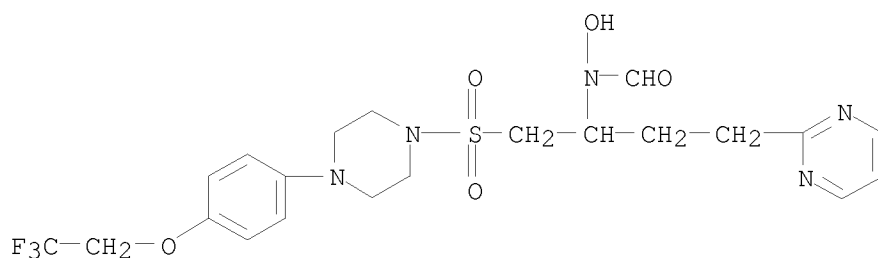
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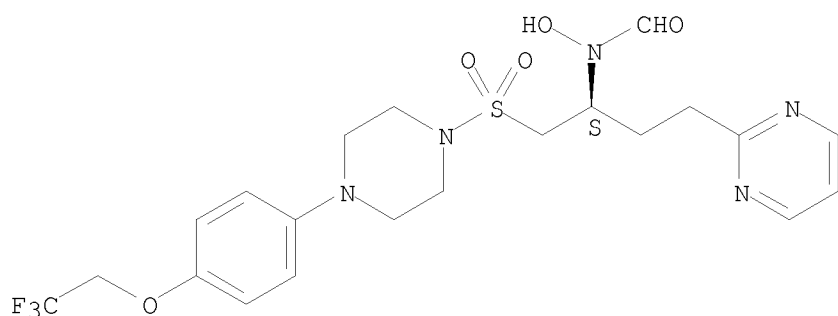
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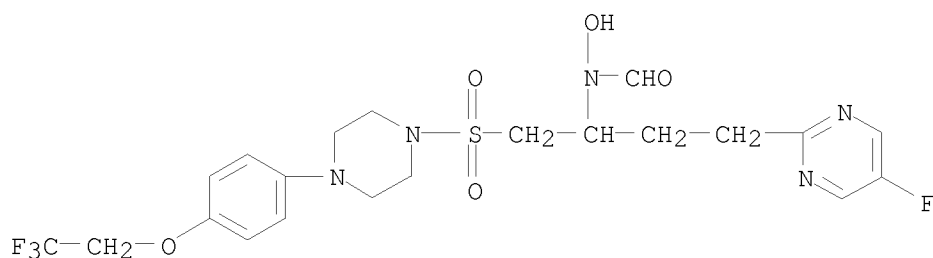
CN Piperazine, 1-[[(2S)-2-(formylhydroxyamino)-4-(2-pyrimidinyl)butyl]sulfonyl]-4-[4-(2,2,2-trifluoroethoxy)phenyl]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



RN 823197-21-3 CAPLUS

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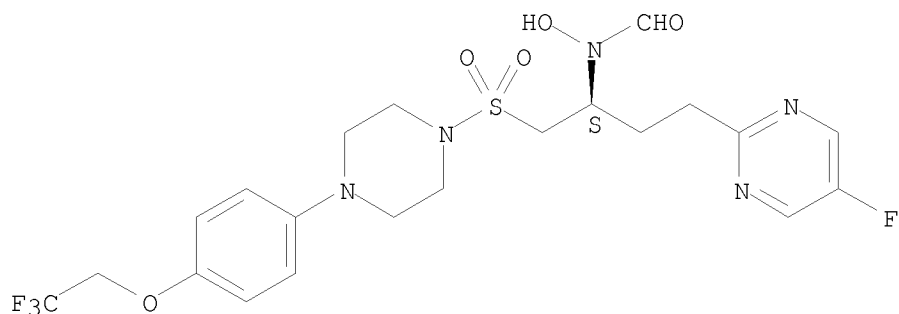


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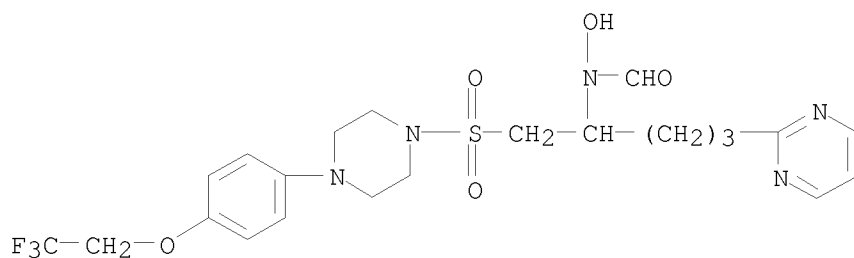
Absolute stereochemistry.

10/513699



RN 823197-23-5 CAPLUS

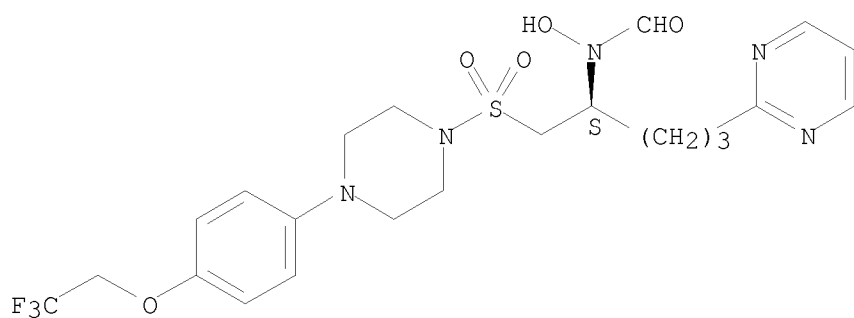
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RN 823197-24-6 CAPLUS

CN Piperazine, 1-[[2-(2S)-2-(formylhydroxyamino)-5-(2-pyrimidinyl)pentyl]sulfonyl]-4-[4-(2,2,2-trifluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 823197-25-7 CAPLUS

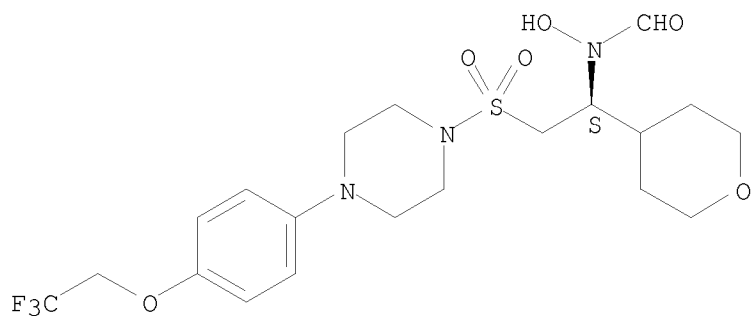
CN Piperazine, 1-[[2-(2S)-2-(formylhydroxyamino)-2-(tetrahydro-2H-pyran-4-yl)ethyl]sulfonyl]-4-[4-(2,2,2-trifluoroethoxy)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

<12/04/2007>

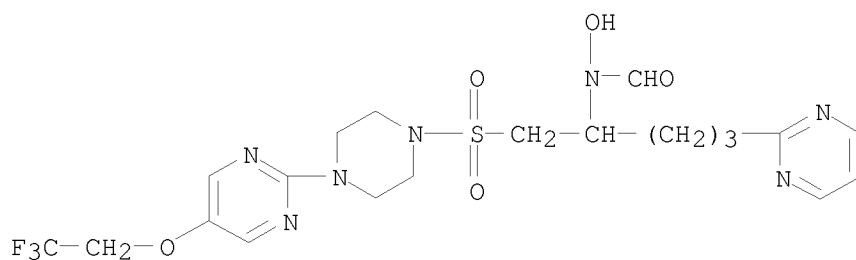
Erich Leese

10/513699



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REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:161258 CAPLUS

DOCUMENT NUMBER: 132:207849

TITLE: Preparation of arylpiperazines as metalloproteinase inhibiting agents (MMP)

INVENTOR(S): Barlaam, Bernard Christophe; Newcombe, Nicholas John; Tucker, Howard; Waterson, David

PATENT ASSIGNEE(S): Zeneca Limited, UK; Zeneca-Pharma Sa

SOURCE: PCT Int. Appl., 82 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

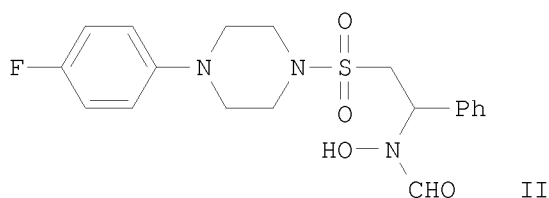
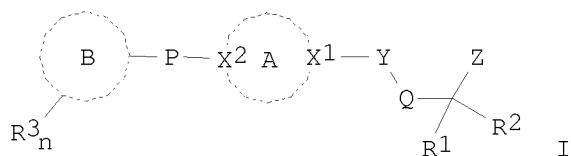
PATENT INFORMATION:

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BG 105369	A	20011231	BG 2001-105369	20010322
HK 1036060	A1	20061027	HK 2001-106732	20010924
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EP 1999-401351	A 19990604
WO 1999-GB2801	W 19990825
US 2001-763709	A1 20010226

OTHER SOURCE(S): MARPAT 132:207849
GI



AB The title compds. [I; B = monocyclic or bicyclic alkyl, aryl, etc.; R3 = H, halo, NO2. etc.; n = 1-3; P = (CH2)n (wherein n = 0-2), alkene, alkyne, etc.; A = (un)substituted 5-7 membered aliphatic ring; X1, X2 = N, C, where a ring substituent on ring A is a oxo group that is preferably adjacent a ring N atom; Y = SO2, CO; Z = CONHOH, Y = CO and Q = CR6R7, CR6R7CH2, NR6, NR6CH2 (wherein R6 = H, alkyl, aralkyl, etc.; R7 = H, alkyl; R7 together with R6 forms a carbocyclic or heterocyclic spiro 5-7 membered ring, the latter containing at least one heteroatom selected from N, O, S); Z = CONHOH, Y = SO2 and Q = CR6R7, CR6R7CH2; Z = N(OH)CHO and Q = CHR6, CHR6CH2, NR6CH2; R1 = H, alkyl, cycloalkyl, etc.; R2 = H, alkyl, aryl, etc.], useful as metalloproteinase inhibitors (no data), especially as inhibitors of MMP 13, in treating arthritis and atherosclerosis, were prepared E.g., a multi-step synthesis of the title piperazine II was given. Compds. I are effective at 0.5-30 mg/kg/day.

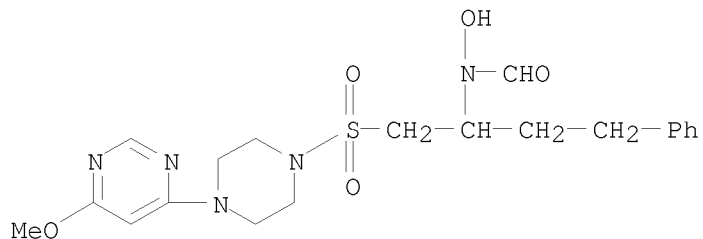
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260441-05-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of arylpiperazines as metalloproteinase inhibiting agents (MMP))

RN 260439-08-5 CAPLUS

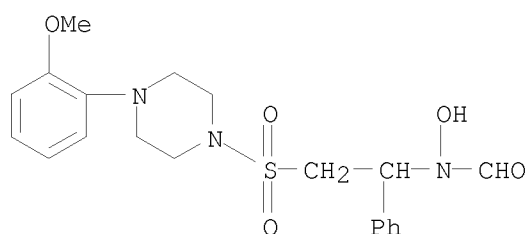
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10/513699



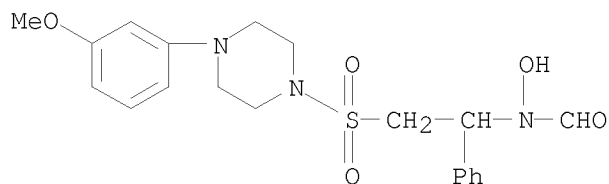
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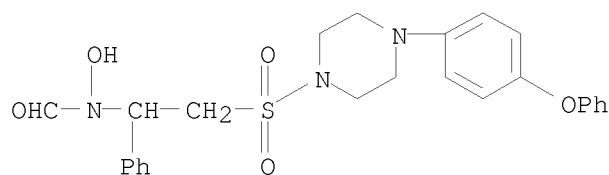
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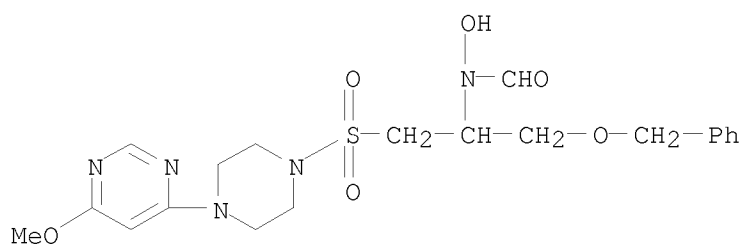
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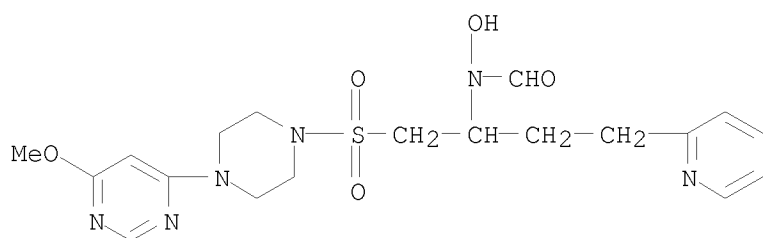
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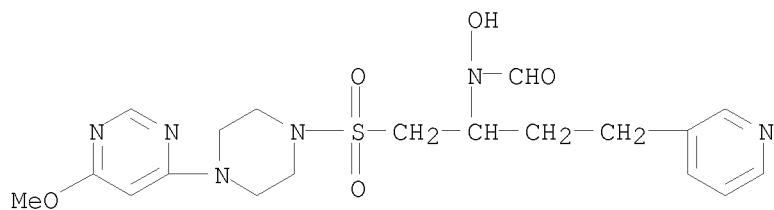
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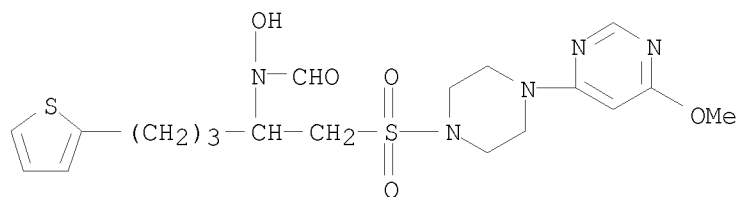
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RN 260441-03-0 CAPLUS

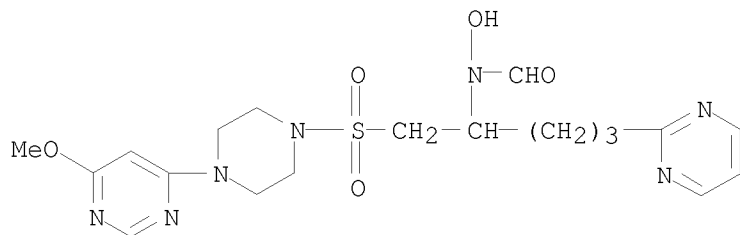
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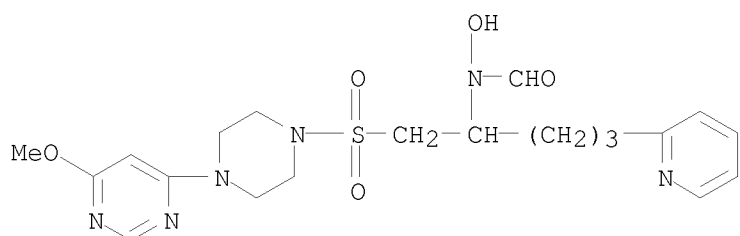
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10/513699



RN 260441-05-2 CAPLUS

CN Piperazine, 1-[[2-(4-methoxy-2-pyridinyl)-5-[[2-(4-pyridinyl)pentyl]sulfonyl]piperazin-1-yl]-2-hydroxy-2-(formylhydroxyamino)pentyl]pyridine-4-carboxamide (9CI) (CA INDEX NAME)



REFERENCE COUNT:

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THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

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